BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Subsidiary Diploma in Engineering Pearson BTEC International Level 3 Foundation Diploma in Engineering Pearson BTEC International Level 3 Diploma in Engineering Pearson BTEC International Level 3 Diploma in Electrical/Electronic Engineering Pearson BTEC International Level 3 Diploma in Mechanical Engineering Pearson BTEC International Level 3 Diploma in Computer Engineering Pearson BTEC International Level 3 Diploma in Manufacturing Engineering Pearson BTEC International Level 3 Diploma in Aeronautical Engineering Pearson BTEC International Level 3 Extended Diploma in Engineering Pearson BTEC International Level 3 Extended Diploma in Electrical/Electronic Engineering Pearson BTEC International Level 3 Extended Diploma in Mechanical Engineering Pearson BTEC International Level 3 Extended Diploma in Computer Engineering Pearson BTEC International Level 3 Extended Diploma in Manufacturing Engineering Pearson BTEC International Level 3 Extended Diploma in Aeronautical Engineering
Unit number and title	**Unit 19: Electronic Devices and Circuits**
Learning aim(s)	**C:** Review the development of analogue and digital electronic circuits and reflect on own performance.
Assignment title	Improving personal performance and lessons learnt
Assessor	
Issue date	
Hand in deadline	
Vocational Scenario or Context	You have been in your first job as a Junior Technician in a local company that specialises in repairing domestic electronic equipment for six months. As part of your role the owner has been providing you with opportunities for you to develop your skills and knowledge of electronic devices and circuits. They would now like you to reflect on your experiences. They would like you to think about how your skills and knowledge have improved, what has gone well and what you could have done differently.
Task 1	You have been asked to review and reflect on the practical activities you have carried out to explain how Health and Safety, electronic and general engineering skills were used to carry out your investigations into electronic devices and circuits. You now need to produce a short report that considers the 'lessons learnt' during the process. **To do this:**

	You will need to collate all of your work for Assignments 1 and 2 into a single portfolio. You should then review and reflect on the activities that have been completed for assignments 1 and 2, and make notes about what went well and what improvements could be made. You will also need to consider what would be done differently next time. **You will then:** Produce a report that will include three sections; a) a review of your practical work; b) a reflection on your personal behaviours; and c) a summary conclusion. Your report should: 1. review and reflect on the practical activity to investigate and explore electronic devices and their use in analogue and digital logic circuits, including: • What you have learnt through carrying out the activities in terms of knowledge, skills and techniques 2. explain the importance and use of behaviours in improving your personal performance, including reference to: • time planning and management to complete all the different activities in an appropriate time and in an appropriate order • communication and literacy skills to follow and implement instructions appropriately, interpret documentation and communicate effectively with others in writing and orally • your awareness of the ways in which the skills, knowledge and techniques developed in this unit can be used in your further study. 3. include a conclusion that considers: • What went well? • What could have gone better? • What could be done differently another time?
Checklist of evidence required	A report that will focus on the skills and knowledge gained when exploring analogue and digital electronic devices and their common applications, reflecting on the ways in which theoretical, simulated and measured values compare

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
19/C.D3	Demonstrate consistently good technical understanding and analysis of the electronic circuits, including the application of relevant behaviours and general engineering skills to a professional standard.
19/C.M7	Recommend improvements to the development of the electronic circuits and to the relevant behaviours applied.
19/C.P7	Explain how health and safety, electronic and general engineering skills were effectively applied during the development of the circuits.
19/C.P8	Explain how relevant behaviours were effectively applied during the development of the circuits.
Sources of information to support you with this Assignment	Books Reflective writing; Wiiliams K, Wooliams M, Spiro J; Palgrave McMillan (2012); ISBN 978 0 230 37725 7 Report writing; Reid M; Palgrave McMillan (2012); ISBN 978 0 230 37655 7 Websites wikihow.com/Write-Your-Own-Performance-Review The information is for a company review. It gives a good structure on which to base your report.